

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended) A filter system for carotid endarterectomy comprising:

proximal and distal members each having a distal and a proximal end and at least first and second lumens, the distal ends each comprising an inflatable balloon and each first lumen being in fluid communication with the respective inflation balloon;

a middle section positioned between ~~said the~~ proximal and distal members, the middle section having a third lumen in fluid communication with each of ~~said the~~ second lumens, a fourth lumen in fluid communication with each of ~~said the~~ first lumens and a first inflation port, and a fifth lumen in fluid communication with a second port; and

a vascular filter system comprising a guidewire insertable into the second port and advanced through the second lumen of the distal member, wherein each of the ~~said the~~ inflation balloons is capable of being inflated simultaneously, ~~said the~~ vascular filter system comprising (a) a filter membrane support structure, and (b) a filter membrane attached to ~~said the~~ filter membrane support structure, ~~said the~~ filter membrane having holes, wherein ~~said the~~ holes ~~have~~ comprise variable diameters, ~~and wherein said holes are~~ ranging from about 20 to about 300 microns, ~~in diameter.~~ and (c) one or more fibers, each having a first end affixed to the filter membrane adjacent to the circumference of the holes and a second end extending towards the inner region of the holes and configured to capture embolic material.

Claim 2 (Original) The filter system of claim 1 wherein said holes are non-uniformly spaced.

Claim 3 (Cancelled)